

HORIZONTALLY STRUCTURED CAD/CAM MODELING – VERTICAL TO HORIZONTAL CONVERSION

ABSTRACT OF THE DISCLOSURE

- 5 A method for converting a vertically structured CAD/CAM
model to a horizontally structured CAD/CAM model, comprising: identifying
and establishing a base feature; establishing a parent coordinate system;
identifying a parent modeling element; identifying each dependency for each
feature from the parent modeling element; restructuring each dependency for
10 each feature for placement, such that each feature exhibits a direct associative
relationship with a reference feature; and restructuring each dependency for
each feature for positioning, such that each feature exhibits a direct associative
relationship with another reference feature.